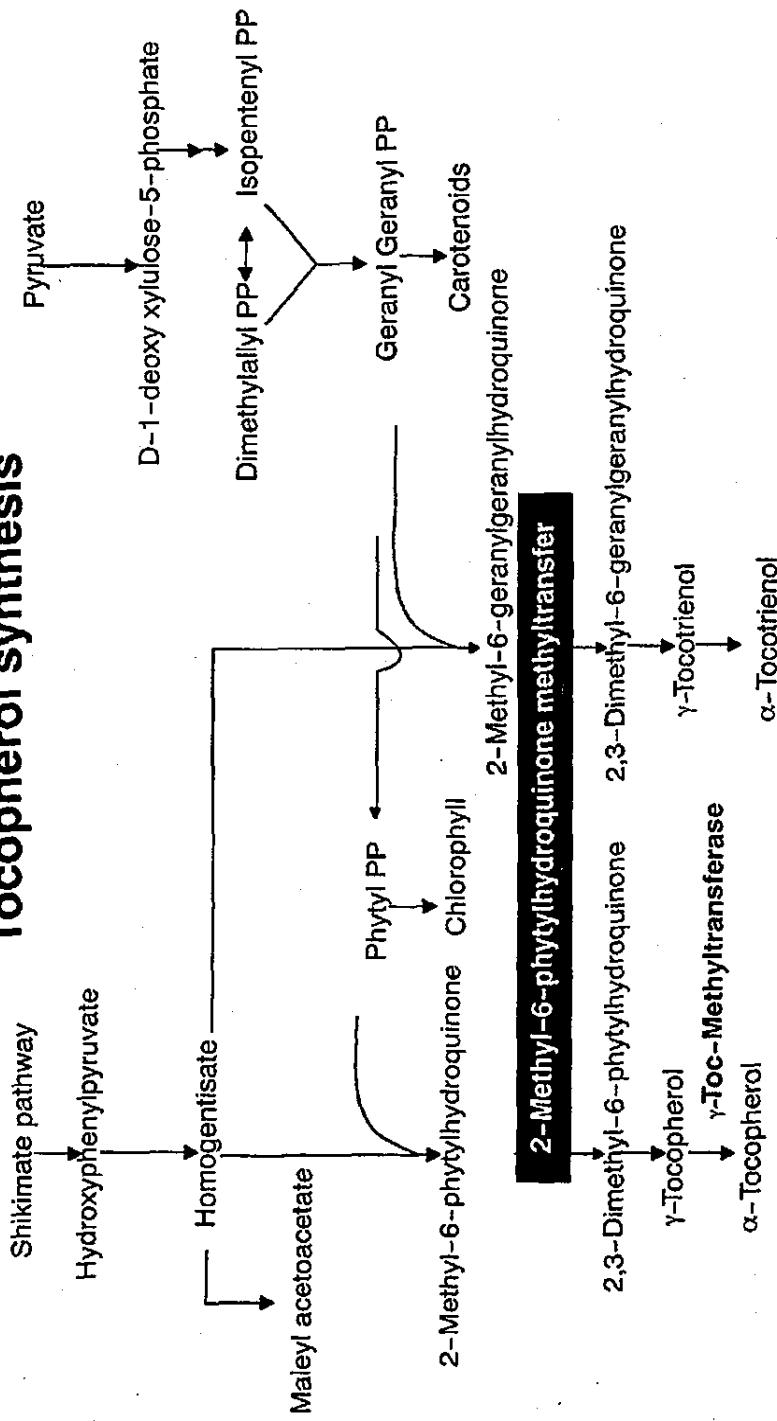


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Figure 1 Tocopherol synthesis



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Figure 2

----- H XXXX X X X X L X S Majority  
 10 20 30 40

1 ----- H P E Y L L L F A G I L T S slr0418.PRO  
 1 ----- H V Y H V R P K H A L Y L slr0089.PRO  
 1 H K A T L A P S S L T S L P Y R T N S S F G S K S S L L F R S P S S S S V S aratmt.PRO

----- X XXXX X X X L X X A X A T X X X A X X X X X X X X X T S X G X X E X X N Majority  
 50 60 70 80

14 L S L A I A A G L Y L L T A R C Y Q S S D S V A N A Y D Q W T E D G I L E Y Y N slr0418.PRO  
 14 A F Y C Y F S L L T M A S A T I X A S A D L Y E X I X N F Y D D S S G L W E D V H slr0089.PRO  
 41 H T T T R G N V A V A A A T S T E A L R K G I A E F Y N E T S G L W E E I N G aratmt.PRO

----- G X H X H X G Y Y G D X X V X X X D -- X X X A Q I X X X X E X L A X A G X X D Majority  
 90 100 110 120

54 G D H H T H L G H Y G D P P V A K - - - D F I Q S K I D F V H A M A I Q W O G L D I slr0418.PRO  
 54 G E H H H H G Y Y G P H G T Y R I D - - - R R Q A Q T D L E K E L L A W A V P Q N slr0089.PRO  
 81 D H H H H G T Y D P D S S V Q L S D I S G H K E A Q I R H I K E E S L R F A G V T D aratmt.PRO

----- X X - - X X X X X V L D V G C C G I G C S S R Y L A X X X G A E V X G I T L S P V Majority  
 130 140 150 160

90 T L - - P P G T T V L D V G C G G I G C S S R Y L A X X X G A E V X G I T L S P V slr0418.PRO  
 92 S A - - K P R K I I L D L G C G G I G C S S R Y L A Q Q H Q A E V M H G A S L S P V slr0089.PRO  
 121 E Z E E K K I K K V V D V G C G G I G C S S R Y L A S K F G A E C I G I T L S P V aratmt.PRO

----- Q V K R A X E L A X A X X L X X T A X F Q V A D A L D L P P X D G S P D X V W S Majority  
 170 180 190 200

128 Q V K R A T E L T P P - - - D V T A K P A V D D A H A L S P D G S P D V V W S slr0418.PRO  
 129 Q V E R A G E B E A R L G E G S T C Q F Q V A N A L D L F P A S D S P D W V W S slr0089.PRO  
 161 Q A K R A N D L A A A Q S L S H K A S P Q V A D A L D Q P P E D D G K P D I L V W S aratmt.PRO

----- X E S G E H H P D K A X P X X E L X R V X X K P G G R L I X A T H C H R X X X G Majority  
 210 220 230 240

165 V E A G P H H P D K A V F A K E E L L R V V K F G G I L I V V A D I N H O R I D D R Q V slr0418.PRO  
 169 L E S G E H H P N K A Q P L O E A W R V L I K P G G R L T L A T W C H R P I D P G slr0089.PRO  
 201 N E S G E H H P D K A K F V K E L V R V A P G C R I T I I V T W C H R N L S A C aratmt.PRO

----- X X X L X X X E X X X L X X I X X X X X X L P A X X S X X D Y X X X A X X X X X G Majority  
 250 260 270 280

205 P L N P W E K P V H R Q L D Q W S H P A F A S I E G P A E N L E A T G L V E G slr0418.PRO  
 209 N G P L T A D E R R H T Q A T Y D V Y C L P Y V V S L P D V Y R A I A R E C G F G slr0089.PRO  
 241 E E A L D P W S Q N I L D K I C K T P Y L P A W C S T D D Y V N L L Q S H S L Q aratmt.PRO

----- X I K T A D W S V X V A P F N X X V I X X A X X X X X L W X L X X X G X X I I X Majority  
 290 300 310 320

245 Q V T T A D H T T V P T L E P A N L D T I W Q G I I R P Q G W I L Q Y G X R G P T X S slr0418.PRO  
 249 E I K T A D H S V A V A P F W D R V I E S X I F D P R V E W A L E G Q A U P K I T H slr0089.PRO  
 281 D I K C A D W S E N V A P F W P A V I R T A L T W K G L V S I L L R S C M X S I X aratmt.PRO

----- X A L X X X L H X X G Y X X - - G L X R F - - G X X T X X X K P L X X - - - Majority  
 330 340 350 360

285 V R E V P T I L N R L A P G V G L C R F - - G M P K A V R K N A T Q A slr0418.PRO  
 289 A / E C L R L N K W G Y E R - - G L V R F - - G L L T G I X P L V - . S P Q S P slr0089.PRO  
 321 G A L T H P L M I E G Y K K - - G V I K P - - G I I T C Q X P L aratmt.PRO

----- Majority

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318 ----- slr0418.PRO  
 324 R ----- slr0089.PRO  
 348 ----- aratmt.PRO

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Figure 3

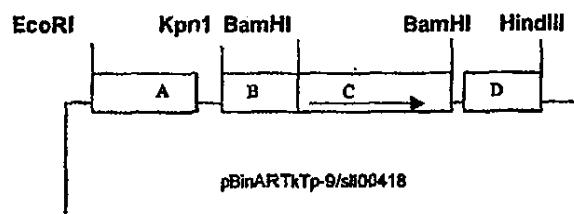


Figure 4

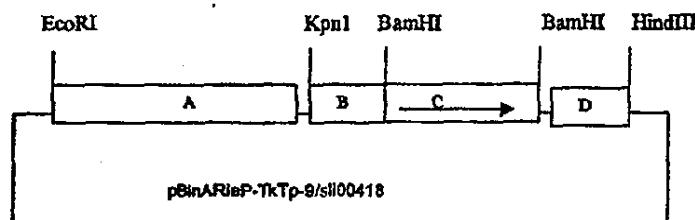


Figure 5

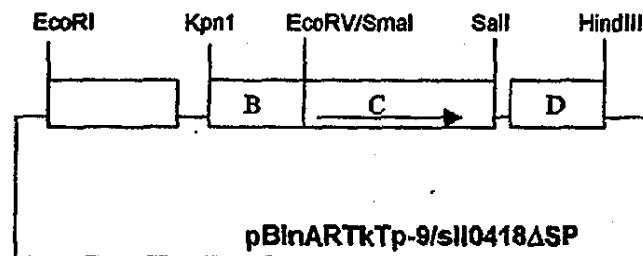


Figure 6

